

Application No. UNKNOWN

Preliminary Amendment Dated July 14, 2003

Reply to Final Office Action in ASN 09/439,879 dated June 5, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend Claim 1 as follows:

1. (Currently Amended) An injection A device for injecting a fluid into a living being, said device comprising:
 - a housing having a penetrating member aperture having a first longitudinal axis; a port in said housing that receives a standard rigid container that contains a injectable drug, said port having a second longitudinal axis; compression means for manually pressurizing the drug in the standard container;
 - a first penetrating member moveable from a storage position in the housing to an injection position extending outside the housing through the aperture; and a channel that brings said penetrating member into fluid communication with the first container;
 - a penetrating member retraction mechanism for retracting said penetrating member into said housing after delivering the drug; and
 - wherein said first longitudinal axis and said second longitudinal axis are not parallel nor coaxial.

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Please amend Claim 2 as follows:

2. (Currently Amended) The ~~injection~~ device of Claim 1 wherein the channel comprises a fluid pathway in a manifold, the manifold further comprising a second channel to transfer the ~~injectable~~ drug from the housing to the ~~user~~ living being.

Please amend Claim 3 as follows:

3. (Currently Amended) The ~~injection~~ device of Claim 1 further comprising an actuator that displaces the penetrating member from the storage position to ~~the~~ an injection position.

Please amend Claim 4 as follows:

4. (Currently Amended) The ~~injection~~ device of Claim 3 wherein the actuator includes a plunger mechanism on a first housing surface that displaces said ~~first~~ penetrating member through the aperture on a second housing surface between the storage position and the injection position system.

Please cancel Claims 5-7.

5. (Cancelled).

6. (Cancelled).

7. (Cancelled).

Please amend Claim 8 as follows:

8. (Currently Amended) The ~~injection~~ device of Claim 1 wherein the penetrating member extends in the range of 5-12 millimeters out of said housing in an ~~said~~ injection position for a subcutaneous injection.

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Please amend Claim 9 as follows:

9. (Currently Amended) The ~~injection~~ device of Claim 1 wherein the penetrating member extends up to about 3 cm. out of said housing in an ~~said~~ injection position for an intermuscular injection.

Please amend Claim 10 as follows:

10. (Currently Amended) A drug injection device comprising:

a housing having a port that receives a standard container of injectable fluid, said port comprising a longitudinal axis;

a manually-driven pressurizing mechanism that pressurizes the container to move the injectable fluid; and

a penetrating member moveable, along a displacement axis, from a storage position in the housing to an injection position extending outside the housing by manual operation, the said penetrating member being in fluid communication with the container; and

wherein said longitudinal axis and said displacement axis are not parallel nor coaxial.

11. (Original) The device of Claim 10 further comprising a sealing member to maintain the injectable fluid in an upper end of the housing.

12. (Original) The device of Claim 11 wherein the sealing member further comprises a membrane that is gas impermeable.

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Please cancel Claim 13.

13.(Cancelled).

Please amend Claim 14 as follows:

14. (Currently Amended) The device of Claim 10 further comprising an actuator that displaces the ~~injection~~ penetrating member between the storage position and an ~~the~~ injection position.

15. (Currently Amended) A method of drug delivery comprising the steps of:

providing a housing having a first port that receives a ~~first~~ standard container of ~~injectable~~ fluid along a first axis;

manually pressurizing the fluid in the standard container; and

manually moving an injection penetrating member from a storage position to an injection position along a second axis, the injection penetrating member being in fluid communication with the ~~first~~ standard container.

Please cancel Claims 16-21.

16. (Cancelled).

17. (Cancelled).

18. (Cancelled).

19. (Cancelled).

20.(Cancelled).

21. (Cancelled).